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Listing of Claims

1. (Currently Amended) An electronic device comprising:
a first circuit comprising a radiation-emitting circuit element; and
a second circuit comprising a radiation-sensing circuit element for sensing radiation emitted from the radiation-emitting element, wherein:
the radiation-sensing element is not part of the first circuit; and
the radiation-sensing element is part of a calibrating system.
2. (Original) The electronic device of claim 1, wherein the first circuit is coupled to a first power supply line and a data line.
3. (Original) The electronic device of claim 2, wherein the first circuit is further coupled to a select line and a second power supply line.
4. (Original) The electronic device of claim 1, wherein the second circuit is coupled to a reference potential line and a sense amplifier.
5. (Original) The electronic device of claim 4, wherein the radiation-sensing circuit element comprises a photodiode.
6. (Original) The electronic device of claim 4, wherein the radiation-sensing circuit comprises a phototransistor.
7. (Original) The electronic device of claim 1, wherein the radiation-sensing element is not electrically connected to the first circuit.
8. (Currently Amended) An electronic device comprises:
a first radiation-emitting element lying within a pixel; and
a first radiation-sensing element for sensing radiation emitted from the first radiation-emitting element, wherein:
the first radiation-sensing element lies outside the pixel; and
the radiation-sensing circuit is part of a calibrating system.
9. (Original) The electronic device of claim 8, wherein the first radiation-sensing element lies at a location selected from:
between the first radiation-emitting element and the user side of the electronic device;
and
farther from the user side of the electronic device compared to the first radiation-emitting element.
10. (Original) The electronic device of claim 8, further comprising a waveguide, wherein the waveguide optically couples the first radiation-emitting element to the first radiation-sensing element.
11. (Original) The electronic device of claim 10, wherein the waveguide lies at a location selected from:
between the first radiation-emitting element and the user side of the electronic device;
and

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farther from the user side of the electronic device compared to the first radiation-emitting element.

12. (Original) The electronic device of claim 10, wherein:

the electronic device includes a plurality of radiation-emitting elements, including the first radiation-emitting element, within an array;

the array has an array edge;

the waveguide has a waveguide edge adjacent to the array edge; and

the first radiation-sensing element is connected to the waveguide edge.

13. (Original) The electronic device of claim 10, wherein:

the electronic device includes a plurality of radiation-emitting elements, including the first radiation-emitting element, within an array;

the array has array edges;

the waveguide has waveguide edges adjacent to the array edges; and

a plurality of radiation-sensing elements, including the first radiation-sensing element, is connected to the waveguide edges.

14. (Original) The electronic device of claim 8, wherein the first radiation-emitting element is not electrically connected to the first radiation-sensing element.

15. (Original) The electronic device of claim 8, wherein the first radiation-emitting element is not electrically coupled to the first radiation-sensing element.

16. (Currently Amended) An electronic device comprises:

a first radiation-emitting element;

a waveguide; and

a first radiation-sensing element, wherein:

the waveguide optically couples the first radiation-emitting element to the first radiation-sensing element; and

the radiation-sensing circuit is part of a calibrating system.

17. (Original) The electronic device of claim 16, wherein the waveguide lies at a location selected from:

between the first radiation-sensing element and the user side of the electronic device; and

farther from the user side of the electronic device compared to the first radiation-sensing element.

18. (Original) The electronic device of claim 16, wherein:

the electronic device includes a plurality of radiation-emitting elements, including the first radiation-emitting element, within an array;

the array has an array edge;

the waveguide has a waveguide edge adjacent to the array edge; and

the first radiation-sensing element is connected to the waveguide edge.

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19. (Original) The electronic device of claim 16, wherein:
the electronic device includes a plurality of radiation-emitting elements, including the first radiation-emitting element, within an array;
the array has array edges;
the waveguide has waveguide edges adjacent to the array edges; and
a plurality of radiation-sensing elements, including the first radiation-sensing element, is connected to the waveguide edges.

20. (Original) The electronic device of claim 16, wherein the first radiation-emitting element comprises a transparent anode and a transparent cathode.

21 – 36 (Canceled).